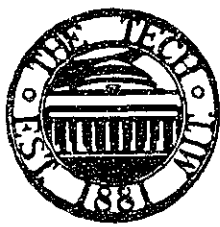


The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVI NO. 16

CAMBRIDGE, MASSACHUSETTS, TUESDAY, APRIL 10, 1956

5 CENTS

Beaver Key Elections

Junior Honorary Chooses 18

The Beaver Key, Junior honorary society, elected eighteen members from the present Sophomore class to serve as the nucleus for the eventual total of thirty which will make up next year's Key.

An amendment limiting each living group to three members among the fifteen to twenty voted in by the present Key, was passed at the start of the meeting. No further membership limitation was passed concerning the remaining members to be voted in by the newly elected group. This group, with the advisory and, if necessary, voting aid of the present Key's executive committee, will choose twelve more members from the present Sophomore class within the next three weeks.

The methods used this year to screen nominees for the society included nomination forms stating activity records along with statements concerning the potential of the individual for the Key as well as that of the Key for the Institute. The traditional smoker, under the direction of Key member Gary Dischel, was also used.

The newly elected members, along with their major activities are the following: Walt Ackerlund, frosh baseball captain, Q Club; Arnold Amstutz, Burton Incomm representative, Incomm excomm; Larry Andrews, former class president, Q Club; Jim Austin, Secretariat Elections Division chairman, Q Club; executive committee; Jim Benenson, class Incomm representative, Q Club

Fiftieth Anniversary Of TCC Celebrated; Msgr. Lally Speaks

"The Compatibility of Religion and Science in the Modern World" served as the theme for the celebration of the 50th Anniversary of the Technology Catholic Club, held in Walker Memorial the evening of April 7.

Monsignor Francis J. Lally, main speaker for the celebration, stated that "every scientific advance from the discovery of fire to the latest developments in thermonuclear weapons takes its real consequences from its relation with man." The Monsignor went on to point out that the study of philosophical and theological realities enabled the scientist to give his work final meaning.

During the course of the evening, Rev. J. Edward Nugent, Chaplain of the Club, read a message from Archbishop Cicognani, Apostolic Delegate of the Pope, who said in part: "It affords me great pleasure to inform you that our Most Holy Father, Pope Pius XII, has graciously deigned to impart his special Apostolic Benediction as a pledge of divine favor and a token of his paternal benevolence."

Archbishop Cushing also extended his congratulations to the Catholic Club.

Edward J. Hanley '24 was toastmaster, and other speakers included Fr. William G. Guindon, head of the Physics Department at Boston College, whose topic was "A Jesuit Reflects on his MIT Education," Dean of Students E. Francis Bowditch, and Edward J. O'Brien '57, President of the present Catholic Club. O'Brien presented the John Henry Newman Award to Charles C. Joyce '56 and to Miss Caroline Disario '56, an honor awarded to those whose service to Newman Clubs has been outstanding.

Other persons present as guests of honor included Julius Stratton, Vice-President of MIT; Rev. Henry Brock '00, S. J.; Msgr. Edward Murray; and past chaplains of the Catholic Club.

president; Ritchie Coryell, class secretary-treasurer, Q Club; Paul Ekberg, Field Day football, varsity hockey; Bob Hecht, varsity baseball, East Campus social chairman, Incomm representative; Dan Holland, Field Day football, varsity diving, Q Club; Dick Hughs, Secretariat chairman, Q Club; Harris Hyman, varsity wrestling, *The Tech*; John Irwin, class president, former class secretary-treasurer, Field Day football, Q Club; Bob Jordan, class vice-president, IFC executive committee.

(Continued on page 5)

AA Discusses Policy New Tennis Courts And Gate Receipts

The Athletic Administrative Board of the AA met for the 47th time last Wednesday evening and discussed general policy and several specific issues concerning MIT athletics. This board is the principal liaison link between the Athletic Association and the administration.

The first item of business was a decision to invite Boston University to the 1957 Compton Cup Race. This traditional crew contest pits Harvard, Princeton, and MIT against each other and is one of the high points of the rowing season here. The invitation to BU will clearly define them as an extra starter.

A second decision regarding crew was the appropriation of \$350 for the purchase of an award to be known as the Ivan J. Geiger Memorial Cup and to be presented to the winner of the annual lightweight competition involving MIT, Columbia, and Cornell. This cup will be presented in New York following the race by Mrs. Geiger who will travel there with her two daughters as guests of the Institute.

New tennis courts are now planned for the campus; quotations are being taken for eight new all-weather courts. It is reported that four quotations are already in, with a firm bid due from a Pennsylvania company.

Athletic philosophy was kept in clear perspective as the policy was firmly defined regarding the possibility of gate receipts. Such money-making steps will be avoided in the future, as has been true in the past. The Director of Athletics will administer this policy, keeping a reasonable relationship with the competing teams. Student responsibility, which plays a great part in MIT athletics, should be reviewed at intervals. A committee for the review of student management was appointed and will report at the May meeting.

LSC To Present Disney Film Friday Using New Cinema-Scope Equipment

The Lecture Series Committee will present on Friday the first Cinema-Scope movie ever to be shown at MIT: Walt Disney's Technicolor production of Jules Verne's "Twenty Thousand Leagues Under the Sea". This will be the premiere picture shown using the new CinemaScope system recently installed in Kresge Auditorium. Showings will start at 5:30, 7:30 and 9:45.

The equipment, a gift to the Institute by the LSC, consists of two Bausch and Lomb anamorphic CinemaScope lenses, two objective lenses, and a 28½-foot Scenic Roller Screen, the largest of its type ever made. The installation will be at the disposal

Tickets On Sale For Dramashop Production Of Two Theatre Classics

Dramashop has entered the final week of rehearsals for its spring production, Chekov's "The Jubilee" and Strindberg's "The Father." Tickets for the show, which will run Wednesday, Thursday, Friday, and Saturday nights, April 18 through 21, are on sale now in the lobby of Building 10 at \$1.00.

"The Jubilee," by Russian author Anton Chekov, is pure farce. Starred are Bob D'Attilio, Dramashop president; Dick Theft, of last spring's "The King and The Duke"; and Joan Tollentino, who has often appeared for the group. Just one act long, the play is a whimsical tale of the hectic anniversary celebration of a supposedly astute bank, whose executives suddenly find themselves deluged by beggars, doctored books, and their wives. "The Father", a full-length drama by August Strindberg, has long been a theatrical "classic", and is well-known as one of the finest works of the past one hundred years. Dealing with the relationship between a strong-willed man and his possessive wife, the play pictures what Strindberg believed to be the real and horrible "War Between the Sexes". The Dramashop production will star Al Weiss, who appeared in last spring's "Skin Of Our Teeth" for Staff Players, and Ruth Nason, who performed so well in December's "Six Characters In Search of an Author."



Choral Society To Tour Germany; Will Sing King David Here Sunday

The MIT Choral Society will tour Germany this summer, Klaus Liepmann, director of music, announced today as the group prepared for its next concert.

"King David," the famous Honegger oratorio which will be presented by the Society in Kresge Auditorium at 8:30 p.m. Sunday, will also be sung by the MIT group at the International Festival of Contemporary Music in Darmstadt during the German tour.

Two of the soloists for the coming performance—Helen Boatwright, soprano, and Donald Sullivan, tenor,—will accompany the Choral Society on its summer tour. Paul Matthen, bass soloist who has sung with MIT on numerous occasions and is currently with the Stuttgart State Opera, will join the singers when they get to Germany.

The tour of Germany will be under the sponsorship of the European Youth Orchestra, an organization in the Federation Internationale des Jeunes Musicales. The Choral Society will leave Boston July 7 and will give performances in Weiker-

sheim, Frankfurt, Creglingen, Bad Mergentheim, Heidelberg, and Marburg. They will also appear with the U. S. 7th Army Orchestra in Stuttgart.

"King David" was chosen as one of the major works for the tour because of its immense success as performed by the Choral Society in the past. The Sunday performance will be given especially in memory of Mr. Honegger, who died in 1955.

Tickets for the Choral Society concert on Sunday are being sold at \$2.00 (reserved) and \$1.50 (unreserved) by the Music Office, Room 14-N238. Reservations may also be made by telephone from 9 to 12 and 1 to 5, Monday through Friday, Extension 892.

Mozart-Franklin Works Featured In E.P. Biggs Concert Tomorrow

The American Academy of Arts and Sciences, according to its President, John E. Burchard, Dean of MIT's School of Humanities and Social Studies will present tomorrow night at 8:30 in the Kresge Auditorium an unusual concert in celebration of the 200th anniversary of the birth of Wolfgang Amadeus Mozart and the 250th of the birth of Benjamin Franklin. The two men were linked by a musical instrument invented by Franklin for which Mozart composed. The concert program has been developed by E. Power Biggs and will be executed by him and two other Fellows of the Academy's Section on the Fine Arts, Richard Burgin and Roland Hayes, with guest artists.

The audience will consist of Fellows of the Academy and their guests. No tickets will be sold, but a limited number of guest tickets will be made available to the public. Requests will be honored in order of their receipt at the office of the American Academy of Arts and Sciences, 77 Massachusetts Avenue,

Six Topics Due For Conference

The newly established government for commuters will soon be seen in full action. Four of the officers were elected in the last general elections, and in a meeting Sunday night the Executive Committee of Incomm set the day for the appointment of the seven remaining posts on the Commuter Council. This council will perform a function for the commuting students analogous to that done by the Dormcon and IFC for members of their respective groups.

Six important fields relating to student life at MIT will be found under rigorous discussion at the leadership conference to be held this week-end at Exeter, N. H. and to be attended by Incomm members, several activities representatives and faculty and administration members. All these topics will be recognized as pertinent problems on campus today.

Two of the planned six groups will be devoted to different phases of student government; they will study the philosophy of such activity, discussing theories of what it is, why it justifies existence, and what it should accomplish. The two fields of emphasis will be: The relation of the AA with student government; and position of the individual student to the governing bodies. On the same lines the third group will be concerned with the current Activities Council problem, and will attempt to reach a position on where this group fits into the whole picture.

Not only inter-relations between individuals and student groups, but also the relative positions of students with the faculty and administration will be included in the agenda of the group assigned to Institute communications problems.

An object of unending dispute is the matter of women students on this campus, and will also be heavily considered at Exeter. Hazing, another big issue contemporarily, will be included in the group discussing Freshman orientation; the field is not limited to this topic, however, but will also take in the counseling program, and obvious problems of spirit.

As can be readily seen from the agenda, it is certain that the week-end at Exeter has potentiality of being a vital one for the future of the Institute.

The Freshman Dance for this year, which promises to be a great success, (Continued on page 6)

Cambridge 39, Mass. Requests should be for not more than two tickets.

It is believed that this concert will afford the first hearing in this century of Mozart's compositions for the glass armonica actually played on that instrument. The Academy is having such an instrument reproduced with the collaboration of the Franklin Savings Bank of the City of Boston. It is built by Herman Schlicker, organ builder of Buffalo, with glass bowls from the Corning Glass Works of Corning, N. Y. Getting a musical note by touching or rubbing a glass must have been experienced as long as men have dealt with glasses. But Franklin, after being charmed with the sweetness of the tones produced in this way, immediately wished to see the glasses disposed in a more convenient form. Mr. Biggs, in a history of the instrument, tells how Franklin lined up the glasses on a horizontal spindle, each glass inside the one slightly larger, yet not touching, and rotated the spindle by means of a foot pedal. The (Continued on page 3)

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Entered as second class matter at the post office at Boston, Massachusetts

standing room only

"The Teahouse of the August Moon" by John Patrick
Starring Eli Wallach and Gene Blakely
Produced by Maurice Evans and George Schaefer
Colonial Theatre, through April 14;
Matinee Wednesday and Saturday

"Theatre is more of a directly sensuous pleasure than theatre criticism would suggest, and it is therefore proper to stress that, for all the flaws that may reveal themselves to analysis, this show presents to the senses an appearance of flawlessness and touching beauty."

—Eric Bentley, New Republic, in reviewing "My Fair Lady."

From one of America's most scholarly critics, these words of Mr. Bentley's come as a frank and important admission. They are just as true for the production of "Teahouse" now at the Colonial, I believe, as for "My Fair Lady." Nothing is more meaningless, probably, than the most deft and incisively bitter criticism of a show the audience enjoys; "nothing succeeds like success" is true of the theatre, too.

"Teahouse" is, analytically, Broadway at its average, replete with easygoing satire (most of it aimed at the always harp-oonable U. S. Army) and a slightly fanciful (and therefore completely acceptable) plot. It is a tale of the "democratizing" of Okinawa by some of the wackiest occupation troops ever to liberate the masses. By the time the dust has settled, and we sink slowly away from our island, the hero (a captain, no less) has learned the beauty of passive acceptance, and, in return, has built the natives a teahouse with materials sent for a pentagon-shaped schoolhouse!

The present Boston company is the third road production of "Teahouse" within two years, and stars Eli Wallach, who has been with the New York company for a year or so. Having seen Mr. Wallach in New York and Burgess Meredith in Chicago before this time, I believe it is justifiable to compare and concede that the New York company was by far the best. Fortunately, most of the Boston company are part of that group, with the regrettable exception of Howard St. John, evidently a victim of lack of time in learning his part! James Arenton put his slightly psychotic psychiatrist over very well, and Mariko Niki is a lovely and lyrical geisha girl, but the show belongs to Mr. Wallach, as it did to David Wayne, the originator of the role. As Sakini, narrator and rogue extraordinary, Wallach's "light touch" of humor and cutting philosophy keeps the show moving every minute.

This is a beautifully written theatre piece (although hardly recommended for either recruiting or Anglo-Asian propaganda). Thanks to its setting, both physical and vocal, you can just ease back in your seat, letting your sense be entertained, and very well indeed. Like most warm and glowing comedy, the humor in "Teahouse" comes from exaggerations of what might otherwise be sad or even tragic situations: "A single aspect of life blown up to laughable proportion." It moves—it virtually runs—through a script full of laughs, and, at the precisely correct moment, hands over just the right amount of palatable sentiment. The critic can object—the plot's too unrealistic, the show is a meaningless and untrue picture of the real situation, the characters are much oversimplified—but why? As one who loves theatre, he should be first to praise that which does what theatre should do—entertain. And entertain "Teahouse" most certainly does.

COMING . . .

The Met will be at the Opera House for one week beginning April 16 . . . Next big pre-Broadway opening will be "The Ziegfeld Follies", with Tallulah Bankhead and Carol Haney (of "Pajama Game") for a couple of weeks starting April 16 at the Shubert . . . "Wake Up, Darling," a comedy romance, will have a two-week run at the Plymouth starting April 17, and then open in New York . . . "Summer and Smoke", Tennessee Williams' not-quite-hit of two seasons ago, continues through Saturday at the Fine

Arts Theatre, just off Mass. Ave., with production by Lyric Theatre, new Boston resident company . . . Poet's Theatre, in Harvard Square, is running an original melodrama, "The Compromise," for the next two weeks, with a local cast (this group did "The Misanthrope" last fall in Kresge).

Tufts Arena Theatre will do John Steinbeck's rarely-seen drama, "Burning Bright" this coming weekend at their theatre in Medford . . . Dramashop presents Chekov's "The Jubilee" and Strindberg's "The Father" in the Little Theatre of Kresge the 18th, 19th, 20th, and 21st of April . . . Tufts will do a Drama Quartet version of Shaw's "Don Juan In Hell" the same weekend . . . Wellesley, in a try at some really tough theatre, does the seldom-attempted "Uncle Vanya" by Chekov, also running April 19 through 21 at Wellesley.

—by Michael Hall '57

the kibitzer

Lou Katz, who recently finished eighth in the U. S. National Individual Championships after leading in the first round, and his partner Jim W. Lee, who became a Life Master yesterday at MIT, won the Annual Open Pair Club Championship. It was the first time in the history of the Club that a bridge player became a Life Master at the MIT Bridge Club. Katz, formerly a graduate student at the Institute, and Lee scored an impressive victory in the afternoon session to enable them to finish ahead of the Tech team of Morris Chang and Alfred Grayzel, both graduate students, who rallied in the evening session to come in second. One of the defenders of the title, Shel Busansky '55 and his partner Dave Marshall, came in third. Prior to the tournament, elections were held for the Bridge Club. The new President is Richard Kain '57 who was Sec-Treasurer last year. Joel Klein '58 was elected to the Sec-Treasurer position.

The results of the 1956 National Intercollegiate Bridge Tournament were also released with Harvard and Dartmouth winning the championship.

MIT, having won one such event, had two teams making a good showing. The team of Abraham Weitzberg '57 and Gilbert Weil '56 finished fourth in the New England Zone and the team of Joel Klein '58 and Harris Weinstein '56 finished fifth. Due to the fact that both teams played in the same direction, the campus winners were not the same. Such honors went to Weitzberg and Weil and to Jerry Davis '56 and Regis Schultis '56.

One of the hands which were solved successfully by both teams classified in New England follows:

S—
H—10 8 6 4
D—A K 8 7 5 4
C—10 9 8

S—9 5 2
H—A Q J
D—9 6 3
C—7 6 4 3

S—Q J 8 7
H—7 3 2
D—Q J 10
C—A 5 2

N
W E
S

S—A K 10 6 4 3
H—K 9 5
D—2
C—K Q J

The Bidding:

E
1S
3S
P

S
P
P

W
1NT
4S

N
2D
P
P

Opening Lead: Queen of Diamonds

South won the first trick with the queen of diamonds and declarer ruffed the second diamond. The hand seemed to be without any difficulty until declarer laid down the king of trumps and found a 4-0 split. He could not afford to lose two trumps in addition to a club and a diamond. The only way to make the contract was to strip the South and East hands to exactly 3 trumps each. To do so, declarer must knock out the ace of clubs, get all three rounds of clubs and hearts out of the way and ruff the dummy's third diamond. The situation is now:

S—
H—10
D—A K
C—

S—9 5
H—
D—
C—7

N
W E
S

S—A 10 6
H—
D—
C—

S—Q J 8
H—
D—
C—

Declarer now throws in West by playing a low spade. If South can ruff any of the heart or club rounds, the game is lost—but then it never could have been made.

—Gilbert J. Weil '56

Calendar Of Events

WEDNESDAY, APRIL 11

Operations Research Seminar. "Discrete Linear Programming." Raoul J. Freeman, Economics Department. ROOM 2-229, 3:00 p.m.

Varsity Baseball Team. Game with Harvard University. BRIGGS FIELD, 3:30 p.m.

Electrical Engineering Department. Colloquium: "Energetics—The Science of Energy Conversion." Professor Osman K. Mawardi, Electrical Engineering Department. Refreshments in Room 10-280 at 4:00 p.m. ROOM 10-275, 3:30 p.m.

Mathematics Department. Colloquium: "Coding Problems in Information Theory." Professor Claude E. Shannon, Visiting Professor of Electrical Communications. Tea in Room 2-290 at 4:00 p.m. ROOM 2-390, 4:30 p.m.

Electrical Engineering Department—Cooperative Course VI-A. Interested sophomores will meet with students now on the Program to discuss cooperative opportunities with the following companies: American Gas and Electric Service Corporation, Bell Telephone Laboratories, General Electric Company, General Radio Company, U. S. Naval Ordnance Laboratory. ROOM 10-275, 5:00 p.m.

THURSDAY, APRIL 12

American Society of Civil Engineers—Student Chapter. Seminar: Film on Texas Towers. Speaker will be a representative of Raymond Concrete Pile Company. Interested seniors may arrange interview after the program. ROOM 1-390, 4:00 p.m.

MIT Railroaders' Association. Monthly meeting. B. & M. and MIT slides will be shown. ROOM 5-120, 7:30 p.m.

Boston Society of Biologists. Symposium: "The Effect of Atomic Radiation on Man." Chairman: Dr. Charles L. Dunham, Director, Division of Biology and Medicine, Atomic Energy Commission. Speakers will be Dr. Gordon Dunning: "Fall-out from Atomic Explosions"; Dr. Walter Claus: "Present World-wide Distribution of Atomic Explosion Products"; Dr. Eugene Cronkite: "Effect of Atomic Radiation on Humans"; and Dr. Earl Green: "Genetic Aspects of Radiation." Open to the public. KRESGE AUDITORIUM, 8:00 p.m.

FRIDAY, APRIL 13

Mechanical Engineering Department. Seminar: "Statistical Aspects of Friction." Professor Ernest Rabinowicz, Mechanical Engineering Department. Coffee in Room 3-174 from 3:00-3:30 p.m. ROOM 3-270, 3:30 p.m.

Lecture Series Committee. Film: "Twenty Thousand Leagues Under the Sea" (in technicolor and Cinemascope). Admission: 30 cents. KRESGE AUDITORIUM, 5:30, 7:30 and 9:45 p.m.

SATURDAY, APRIL 14

Varsity Sailing Team. Meet with Harvard University. SAILING PAVILION, 12:30 p.m.

Freshman Sailing Team. Heptagonal. SAILING PAVILION, 12:30 p.m.

Freshman Baseball Team. Game with Harvard University. BRIGGS FIELD, 2:00 p.m.

Varsity Lacrosse Team. Game with University of Massachusetts. BRIGGS FIELD, 2:00 p.m.

SUNDAY, APRIL 15

MIT Choral Society. Concert with a chamber orchestra of Boston Symphony players, Klaus Liepmann conducting. Program: "King David," by Arthur Honegger. Soloists: Helen Boatwright, soprano; Eunice Alberts, contralto; Donald Sullivan, tenor; and Bryant Halda, narrator. Tickets at \$2.00 (reserved), \$1.50 (unreserved) and \$1.00 (students) are on sale in Room 14-N236 and in the Lobby of Building 10. KRESGE AUDITORIUM, 8:30 p.m.

MONDAY, APRIL 16

Freshman Baseball Team. Game with Boston University. BRIGGS FIELD, 3:30 p.m.

Military Science Department. Seminar: "Items of general interest (pay, uniforms, benefits, allowances, travel, educational opportunities, etc.) to an army officer entering upon Active Duty." Maj. Warren Rogers, Corps of Engineers, U. S. Army. Open to all seniors enrolled in Military Science. Coffee and doughnuts will be served. HAYDEN LIBRARY LOUNGE, 5:00 p.m.

TUESDAY, APRIL 17

Food Technology Department. Food Industry Seminar. Speaker will be Dr. Charles G. Ferrari, Technical Director, J. R. Short Milk Company, Chicago, Illinois. ROOM 16-310, 2:00-4:00 p.m.

Freshman Lacrosse Team. Game with Harvard University. BRIGGS FIELD, 3:00 p.m.

Chemistry Department. Harvard-MIT Physical Chemistry Colloquium: "Structure and Thermodynamics of Transition Metal Complexes." Dr. F. Albert Cotton, Chemistry Department. ROOM 6-120, 8:00 p.m.

MIT Staff Players. Monthly Supper Meeting. Playreading of "The House of Bernard Alba," by F. Garcia Lorca. Supper at the Faculty Club at 6:15 p.m. FACULTY CLUB PENTHOUSE, 8:00 p.m.

WEDNESDAY, APRIL 18

Freshman Tennis Team. Game with Harvard University. BURTON HOUSE COURTS, 3:45 p.m.

Civil and Sanitary Engineering Department. Hydromechanics Seminar: "Transformation Characteristics of Shoaling Waves." Mr. J. G. Housley and M. M. Mitchell, Civil Engineering Department. Coffee in Room 48-208 at 3:45 p.m. ROOM 48-208, 4:00-5:00 p.m.

Electrical Engineering Department—Cooperative Course VI-A. Interested sophomores will meet with students now on the Program for question and answer discussion of Cooperative Companies. Refreshments will be served. REHEARSAL ROOM B, KRESGE AUDITORIUM, 5:00 p.m.

United Christian Council of MIT. Lecture and Discussion: "On Christian Unity." Rev. Dr. Georges Florovsky of the Russian Orthodox Church, Harvard Divinity School, and Union Theological Seminary. ROOM 10-275, 5:00 p.m.

CALENDAR OF EVENTS

The Calendar of Events is distributed to the staff through the Institute's mails each Wednesday, with announcements for the following eight days. Notices should be in the editor's office, Room 7-204, no later than noon on Thursday prior to the date of publication. Material for the Calendar of April 18-25 is due April 12.

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Engineering Education Exchange Service Increases Opportunities For Study Abroad

During the 1956 summer American industry will accept foreign engineering students for training and American engineering students will work abroad under a unique program which provides foreign on-the-job training for advanced students of science and technology.

The program, in which 21 countries participate, is that of the International Association for the Exchange of Students for Technical Experience (IAESTE). The Institute of International Education, New York City, at the request of the American Society of Engineering Education (ASEE), is serving as the central coordinating agency for U. S. participation in the program this year.

Under the IAESTE program students are sent abroad for on-the-job training during their summer vacation for a minimum period of eight weeks. During the 1955 summer 5,153 engineering students from the 21 member countries trained at 2500 industrial firms in countries other than their own. The United States received 39 students and 20 Ameri-

cans took foreign training assignments.

"Past participation by the United States in the IAESTE program has been small," states Maynard Boring, Manpower Consultant for General Electric and President of the American Society for Engineering Education. "This is despite our critical shortage of engineers and our efforts to improve training methods for engineering students. It is hoped that this year under the Institute's administration U. S. participation will reach proportions commensurate with the recognized potentiality of the program."

As administering agency for the IAESTE program, the Institute of International Education has asked U. S. industries for industrial placements for foreign student engineers. To date U. S. firms have offered over 70 placements—each case involves a maintenance allowance plus a nominal administrative fee to cover program costs. Since the IAESTE program operates on the basis of reciprocity, the number of placements of-

ferred by American business to foreign students determines in general the number of American engineering students who will have the opportunity to study abroad.

U. S. engineering colleges have been asked to nominate American engineering students who wish to do on-the-job training abroad. Candidates must be endorsed by the officials of their own schools. In addition, each applicant must have completed his third year of engineering study, have had practical experience in this country, and be able to pay for his international travel. Applicants may indicate their choice of country from among the IAESTE members as well as their particular field of specialization. About 80 applications have been received from U. S. engineering students for the coming summer.

The 21 countries participating in the IAESTE program are: Austria, Belgium, Canada, Denmark, Finland, France, Germany, Great Britain, Iceland, India, Israel, Italy, the Netherlands, Norway, Portugal, Spain, Switzerland, Turkey, the United States and Yugoslavia.

Summer Study Pamphlet Available

Foreign summer schools open to U. S. students are listed in *Summer Study Abroad 1956*, pamphlet published today by the Institute of International Education, 1 East 67th Street, New York City.

The 24-page leaflet lists 180 summer courses at educational institutions in 22 countries. It tells where to apply and gives helpful information on language requirements, admissions procedures, credits, living arrangements and costs, transportation, passports and visas, and scholarships. Early application should be made for the few awards available.

MOZART-FRANKLIN

(Continued from page 1)

bowls were blown in different sizes, and each ground to produce the exact note. Later a keyboard was devised for playing it.

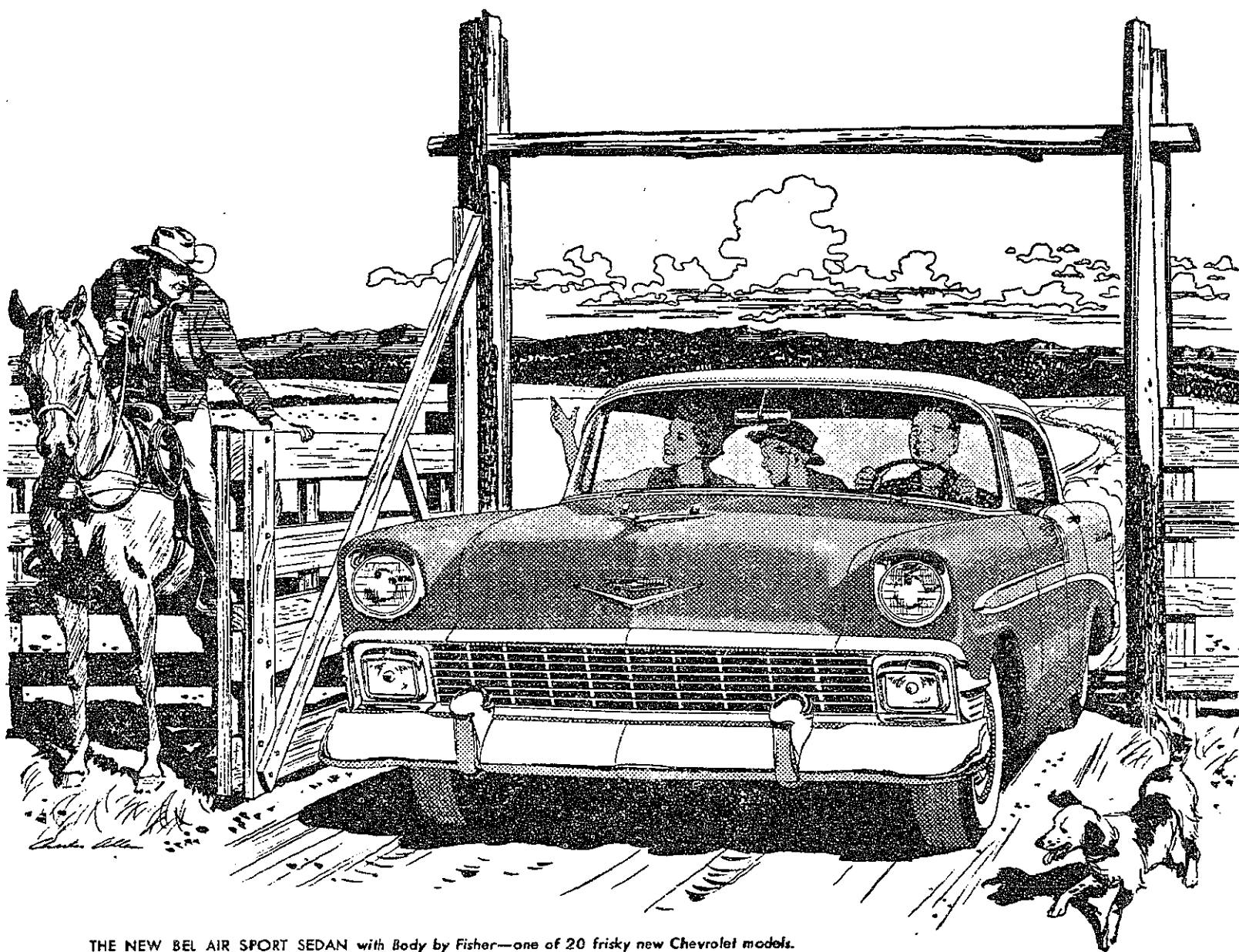
There is little record of actual performances on the Armonica since the London Exhibition of 1862, and instruments appear to have remained mostly in museums in solitary silence. But the coincidence in 1956 of the special anniversaries of Mozart and Franklin inspired E. Power Biggs and other members of the Academy's committee on the celebration, under the chairmanship of astronomer Harlow Shapley, to renew the match between Franklin's instrument and Mozart's music.

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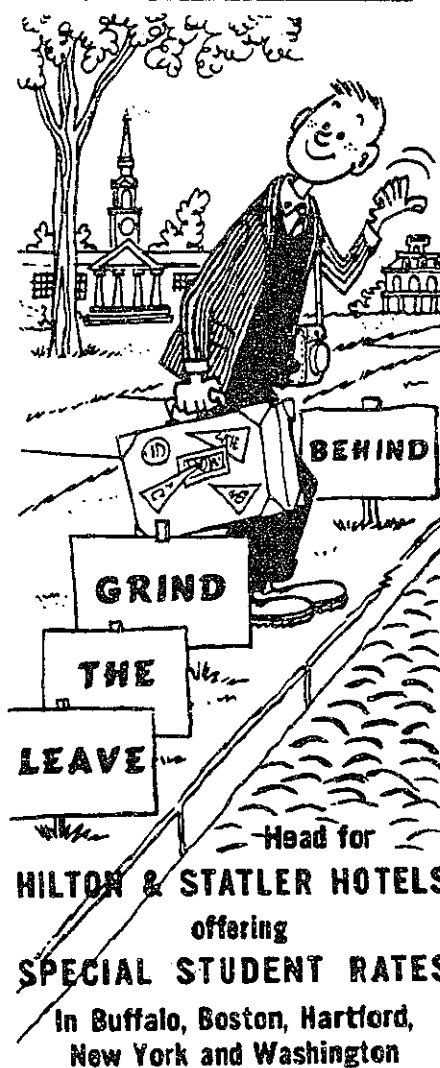


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**Boston Lacrosse Club Wins, 10-3;
Second Period Fatal To Varsity**

A disastrous second period in which a strong and experienced Boston Lacrosse Club scored eight times in six minutes proved to be the difference as the varsity lacrosse team opened its season on the short end of a 10 to 3 decision on an ice-cold, wind-swept Briggs Field last Saturday.

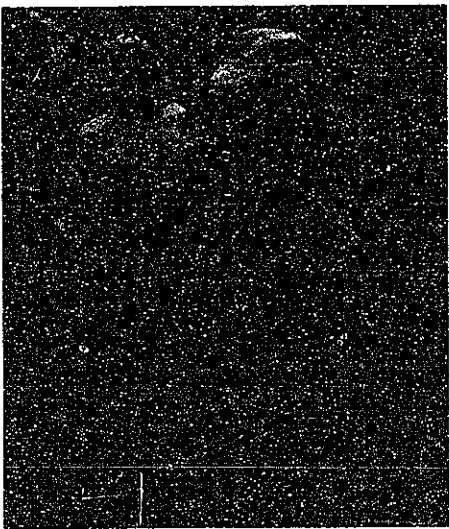
Despite the score, the Engineers showed signs of promise and dominated play in the second half when they outscored the visitors 3 to 1.

Among the BLC players were graduates of 13 different schools and some of the top players in the East. Several members of last year's top New Hampshire team, including All-American Bill Johnson and Honorable Mention All-American Leo Flannagan, plus two of last year's Navy midfield, Dave Koonce and Ed Turner, and Pete Toohy, MIT captain last year, are a few of the new members of the club. The "old timers" were still the big guns though as captain Bob Baldwin got two goals and two assists, Dick Wright picked up three goals, and former Oberlin star Bob Palmer got a goal and three assists.

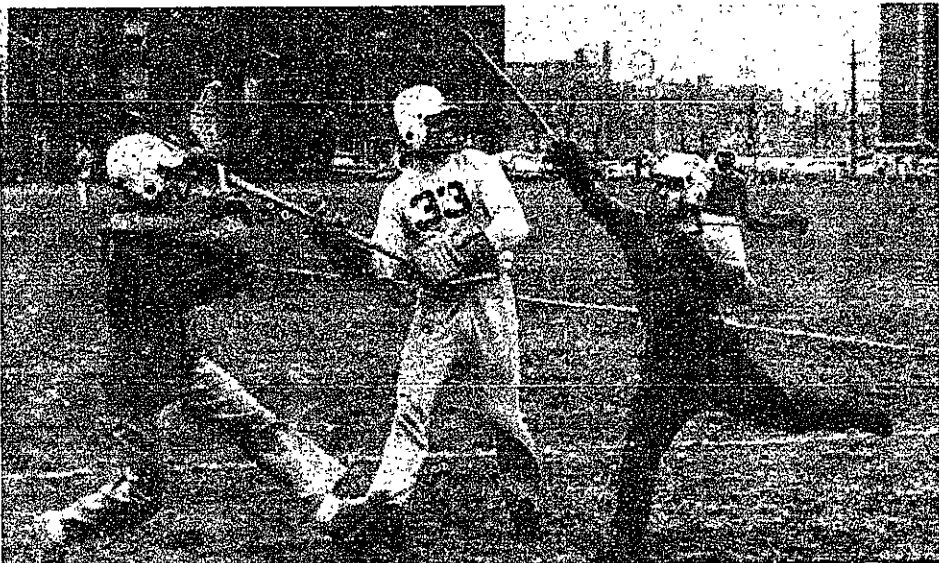
MIT showed some well-rounded play and will certainly benefit from experience picked up against such superior opposition. Outstanding for the Engineers were co-captains "Leaky" Dyke '56 and Joe Hamlet '56, Dick Child '57, who picked up two of the Tech scores; Marinos Gerakeris '56, and Dick Beale '58. Except for parts of the second period, the Beaver defense looked fairly strong.

The first period was fairly even with a little advantage going to BLC as Captain Baldwin came in from midfield, evaded the defense, and hit on a short, hard shot from in front. The second period barrage started at 3:45 with Palmer scoring on a hard high shot. With the icy wind behind them, the big orange pressed hard for ten

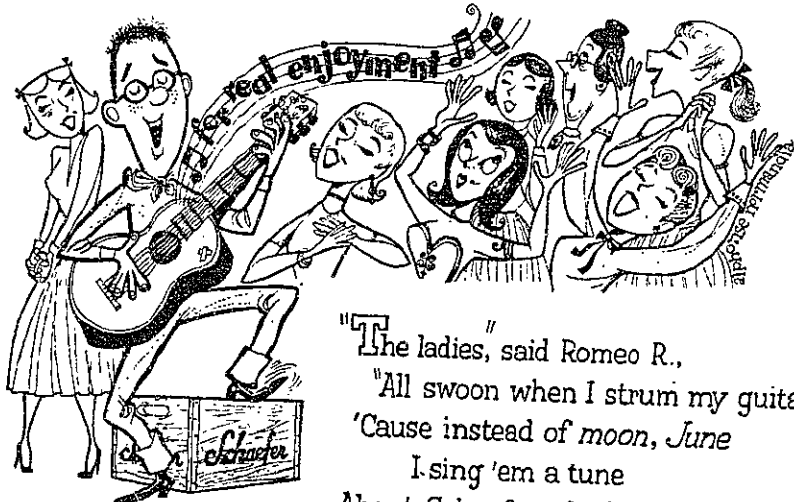
(Continued on page 5)



Benenson in close pursuit



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Strong Yale Downs Rugby Club; Misconversion Decides Victory

In their first meet of the spring season, MIT's Rugby Club fell at the hands of the mighty Yale eleven on Smith College's gridiron.

After a scoreless first half the Yale squad, composed of many top men from their successful football team, scored the first try. They converted this try, making the score 5-0. The Cardinal and Grey retaliated with another scoring, made by Ken Jones '57. The Engineers were not able to convert the goal, so the score was 5-3. This tally remained static during the rest of the contest.

MIT tried three unsuccessful field goals during the game, which, if successful would have turned the tide in their favor.

The contest was played on the Smith College football field. Because the goalposts had been removed for the winter, referees had to stand in the end zones with their arms upstretched in lieu of the goalposts. Many of the attempted goals were contested because of this novel, flexible, and generally unreliable type of goal marking.

Julio Hermann, the sophomore hooker, was one of Tech's strongest men. Bill Bryan '57 also sparked the Tech eleven. Laurie Seaman, one of the Rugby Club's top scoring threats, broke his wrist during the game. Be-

cause there are no substitutions allowed in this sport, Laurie's injury really hindered the team's chance for victory in this meet, and will be felt in future contests.

This sport is unique in that there is a beer party held after each game to which the participants are invited. Needless to say, many tempers of opposing athletes are assuaged in this sort of post game activity.

The Tech Rugby Club will meet the New York Rugby Club in New York. A return meet between these two teams will be played at Briggs Field on April 21.

MIT's Rugby Club was scheduled to meet the Crimson eleven at Briggs Field on March 17. Sixteen inches of good, Boston snow caused this contest to be postponed. If this game can be fitted into their schedule, it will be one of the toughest that the Rugby Club will participate in. Harvard utilizes many of their football team on the rugby field, and consistently turns out topnotch teams.

LSC

Today at 5:00 p.m. in Kresge Auditorium the Lecture Series Committee will sponsor a talk by Mr. Willey Ley on "Artificial Satellites and the Intercontinental Missile."

Sailors Take First At Coast Guard Meet In Raven Class Craft

Despite a thirty-knot breeze that ripped sails and plagued skippers, Sailing Captain Bill Stiles '57 and his crew of John Marsland '57, John Armitage '57, and William Blaiklock '58, took a first, second, and fifth in three races at the United States Coast Guard Academy last Saturday to win the seven team meet.

The other two top teams, Northeastern and Trinity, both had a first and a second but could manage only sixths in the other races to finish a point behind the Engineers. The meet was sailed in four-man Raven Class boats, and was the first Raven victory for the Beaver Boatmen in three years. Final point totals showed the Engineers with 19 1/4, Northeastern and Trinity 18 1/4, Babson 17, Yale 14, Boston University 13, and host Coast Guard with 9. Coast Guard was severely hurt by the loss of several top men in Olympic Trials and the Service Academy Meet.

The Ivan J. Geiger Memorial Trophy Race, scheduled for last Sunday on the Charles, was canceled and scheduled tentatively for April 28.

Next week-end the Harvard Sailing Team will move down the Charles to take on the Beavers. The meet will decide possession of the Harvard-Tech Cup for the next year.

On Sunday the Beaver team will travel to Brown where they will vie for the Lucian Sharpe Memorial Trophy. Schools entered in the 21st running of this spring invitational are Brown, Coast Guard, Dartmouth, Harvard, MIT, Rhode Island, Tufts, and Yale.

Hurlers Tech Strength MIT Nine Opens Against Harvard

According to the schedule of the MIT baseball team and in direct conflict with the schedule of the Boston weather forecaster, there will be a baseball game tomorrow afternoon on Briggs Field at 3:30 p.m. If the snow can be cleared away and the lake pumped off the field, the 1956 version of the MIT Baseball Team will meet a strong Harvard Nine in the opening game of the season. The season is opening late this year due to elimination of the usual southern road trip during spring vacation.

After the Harvard encounter the team will take to the road to play four games in seven days, meeting Brandeis this Friday, WPI Saturday, Boston University next Monday, and Boston College next Thursday. Their second home game will be the 21st against Lowell and opens a home stand which includes games with Boston College, Brandeis, USCGA, and Boston University.

Fitchers Look Good

Pitching should be the strong point of this year's team, with hitting overall weak and the infield doubtful. Ed Newhall '56, top hitter last year and Co-Captain this year, has been converted into a part time pitcher, but only competition will tell whether or not the move was successful. Dick Skavdahl '56 and Bob Turner '56 are among the returnees from last year who will strengthen the eight man staff. Sophomore Ken Auer could be an important addition.

In the infield Angie Perciballi '56 returns at first base, backed up by

sophomore Dick Barone. The battle for second is still wide open with Senior John Sullivan possibly having a slight edge. Al Richman '57 has moved to shortstop this year and will probably be opening there tomorrow, but Sophomore Bob Hecht is a strong candidate for the job. Dick Stern '57, another infield holdover from last season, will return at the hot corner this year. Gene Depolo '58 adds additional infield depth at third. The general success of the team this season will probably depend on the showing of the infield, which has good potentialities.

The outfield looks strong with Larry Hallee '56 and Newhall both returning from last year's team. Newhall should be the big man on the team as far as hitting goes and will probably see a great deal of outfield service when he isn't on the mound. Pete Hohorst '57 is also back from last year and will be fighting with sophomore Walt Ackerland for the other outfield spot. Also in the battle are seniors Tom Jones and John Cardinal. The men in the pasture should provide most of the overall hitting power on the team.

Behind the plate Co-Captain Stu Ohlson '56 will be catching the tosses for the third season, but addition of sophomores Tom O'Connor and Gordie Nutt should strengthen the team at that position. Roy Merritt will be returning as coach and Richard Zomback will act as manager during the coming season.

LACROSSE

(Continued from page 4)

minutes, using constant substitution to wear down the undermanned Engineers. By controlling the ball beautifully and capitalizing on the same scoring pattern several times BLC built the score up to 10-0 at the half.

It looked like they were out to continue their barrage in the second half as they opened the scoring after only forty-five seconds. Tech started to pick up at this point, and play continued with no scores until 9:27 when Dyke hit the back pipe of the goal so hard that the ball was out of the net almost the instant it went in. Four minutes later, with Tech a man up, Child scored unassisted on a scoop shot from in front. At 2:38 of the last period, after a hard shot by Jim Benson '58, Child batted a loose ball into the nets for what proved to be the last score of the game. Tech continued to apply pressure for the remainder of the game, but were unable to score even while two men up.

Starting lineups:

MIT		BLC	
G—Damone		Clark	
H—Bredbenner		Walgrave	
1H—Reiss		Emory	
1D—Langmack		Albert	
2D—Beale		French	
C—Hamlet		Koonce	
2A—Child		Turner	
1A—Frey		Keith	
P—Benson		Baldwin	
CP—Dyke		Wright	

Score by periods:

	1	2	3	Total
BLC	8	1	0	10
MIT	0	0	2	2

Goals: BLC: Baldwin 2, Wright 3, Turner 2, Palmer, Molton, Henderson. MIT: Child 2, Dyke.

BEAVER KEY

(Continued from page 1)

tee, Q Club; Mac Jordan, varsity basketball captain; Murray Kohlman, Field Day football, varsity swimming, The Tech; Ed Sullivan, Field Day football, varsity hockey, Q Club; Bill Veeck, Field Day, varsity swimming, Q Club; Helmut Weymar, The Tech news editor, Q Club.

What young people are doing at General Electric

Young chemical engineer works on new ways to make silicones

Silicones are a new class of man-made chemicals with very unusual properties. Made from sand, they assume the form of rubber, grease, oil and resin. Under extremes of heat and cold, the rubber stays rubbery, the oil oily. Silicones added to fabrics make them exceptionally water-repellent. Silicone makes waxes spread easier . . . paints almost impervious to weather.

One of the men responsible for finding new ways to produce silicone products is 26-year-old Frank V. Summers.

Summers' Work Interesting, Important

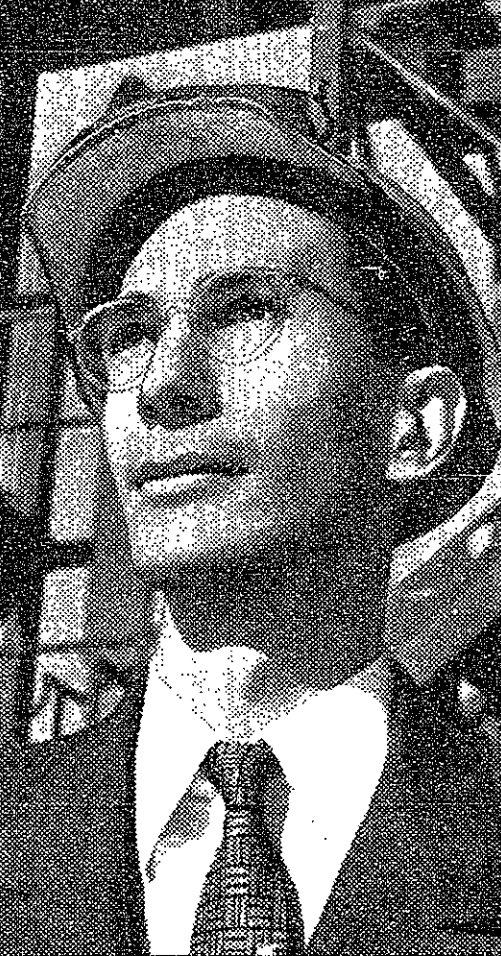
As process engineer of the Silicone Products Department, Frank Summers first compares the results of small-scale, pilot-plant experiments with the production methods in actual use. Then, using his own knowledge of chemical-engineering principles, he designs faster, more efficient and more economical methods of producing silicone products. Frank Summers' excellent training, diversified experience and outstanding personal qualifications make him a valuable contributor to this engineering team.

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Educational Relations, General Electric Company, Schenectady 5, New York

FRANK V. SUMMERS joined G.E. in 1949 after receiving a B.S. in Chemical Engineering at Iowa State University the same year. He also graduated from G.E.'s Process Technology program and other specialized courses.



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SENIOR WEEK

Tickets and options are still available from Ed Roberts at AEPI, 155 Bay State Road. A limited number of block tickets are left. Options must be redeemed as soon as possible.

EXECCOMM

(Continued from page 1)
brought its budget before Execcomm for approval, which was willingly given. Also approved were committees set up by Inscumm to study class spirit and the International Student Exchange.

(Advertisement)

Unique Icebox Sale

The MIT chapter of the Icebox Foundation of the Americas disclosed at its annual seminar last weekend, a comprehensive, all-inclusive, retroactive, and in the words of rising author J. DiMaggio (while looking at rising M. Monroe), "real devastating" campaign for the improvement of the international icebox situation. Its major point was the proposed sale of a singular and unique electric refrigerator at the singular and unique price of \$25 at 28 The Fenway, Boston, CI 7-8048, ask for W. Daly or H. Weymar.

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Note: Appointments made for any evening



Gaylord E. Moss expects to receive his B.S. in Electrical Engineering from Tufts College in 1957. His interest in electronics was aroused, in part at least, by summer work in Du Pont's Photo Products Plant at Parlin, N. J. But Gaylord's interest in technical work goes much farther back. He received the Bausch and Lomb Science Award at his high-school graduation.

Clayton Hill answers:

Where would you want to work, Gay? The choice isn't quite so wide as that reply indicates, but if you have good reason for preferring a given area, and Du Pont has an opening there for which you're qualified, your choice will certainly be considered. We have 69 plants and over 70 research and development laboratories scattered through 26 states. So the odds are pretty fair that you can work in an area you like.

Most of the Du Pont units are situated east of the Mississippi, but some of them are as far west as the Pacific Coast. Right now, new plants are under construction in Michigan and California, providing even wider choice in those two states.

Of course, a man may be transferred after a time. The chemical industry is a growth industry, and transfers are generally associated with progress and promotions.

So you see, Gay, the geography of the United States is pretty much an open book for Du Pont professional men, adding a lot to their interest and enjoyment on the job.

"Gay" Moss wants to know:

**At what location
would I
work for
Du Pont?**



Clayton B. Hill, Jr., joined Du Pont's Jackson Laboratory at Deepwater, N. J., in 1940 and left for the Air Corps in 1942. After military service he obtained a B.S.Ch.E. from Pennsylvania State University (1949), and returned to Jackson Laboratory. Clayton was assigned to Du Pont's Atomic Energy Division for a period before transferring to the Personnel Division. As a representative of this Division, he currently visits many colleges and universities.

WANT TO KNOW MORE about where you'd work with Du Pont? Send for a free copy of "The Du Pont Company and the College Graduate." This booklet contains a complete listing of plant and laboratory locations, by state, and describes work available. Write to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington 98, Delaware.



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